	Application No.	Applicant(s)	
Nation of Allowability	09/484,799	BARKER ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Carol Chaney	1745	*
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject	oplication. If not include in will be mailed in due	ed course. THIS
1. This communication is responsive to 6-9-04.			
2. The allowed claim(s) is/are 179-224.			
3. A The drawings filed on 25 July 2002 are accepted by the Ex	xaminer.		
 4. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). 	be been received. be been received in Application No.		tion from the
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the rec	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTC	9-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the	Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the draw he header according to 37 CFR 1.121	rings in the front (not the (d).	back) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	SIT OF BIOLOGICAL MATERIAL FOR THE DEPOSIT OF BIOLOGIC	must be submitted. N CAL MATERIAL.	Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal	Patent Application (PT)	O-152)
 Notice of References Cited (P10-092) Dotice of Draftperson's Patent Drawing Review (PTO-948) 	6. Interview Summar	•	- ·- - ,
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail Da 08), 7. Examiner's Amend		
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Statem	nent of Reasons for Allo	wance
of Biological Material	9.		
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Allowable Subject Matter

Claims 179-227 are allowed.

The following is an examiner's statement of reasons for allowance: Applicants' arguments filed 09 June 2004 are persuasive. In reconsideration of the prior art of Armand et al., it is noted that Armand et al. appears to disclose two embodiments of their olivine cathode invention. The first is an "ordered olivine compound" of the form LiMPO₄ where 'M' is transition metal cation or a combination of transition metal cations. These cations are reduced/oxidized by charge-compensating electrons supplied by the external circuit of the battery. (See Armand et al. US Patent 6,514,640 column 2, lines 14-24.) Applicants' invention is distinct from the first embodiment of the Armand et al. invention because applicants' inventive olivine compound requires 'M' in the formula LiMPO₄ to include Mg, which is not suggested by Armand et al. because it is not available for oxidation/ reduction by the external circuit of the battery. The second embodiment of the Armand et al. invention is a modified olivine. The modified olivine disclosed by Armand et al. is an olivine structure modified on either the anionic sites and cationic sites. Pristine olivine structures modified on both the anionic and the cationic sites are also envisioned. (See Armand et al., column 2, lines 43-54.) However, the Armand modified olivine structures imply the following conditions for site occupancy and electroneutrality: (see column 12, lines 34-44.)

0 <u><</u>x <u><</u>1;

y+d+t+q+r < 1;

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P+s+v<1; and

3+s-p=x-y+t+2q+3r.

As has been discussed on the record, the Armand et al. materials are distinct from applicants' invention because applicants inventive cathode materials do not meet these conditions.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carol Chaney whose telephone number is (571) 272-1284. The examiner can normally be reached on Mon - Fri 8:30am-5:00pm.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Carol Chaney

Primary Examiner Art Unit 1745

21 March 2005